

CLAIMS

What is claimed is:

- 1 1. A system to facilitate production of a fluid from a wellbore, comprising:
2
3 a production control unit having a subsurface safety valve disposed in
4 cooperation with a jet pump, wherein the production control unit is selectively
5 deployable to a downhole completion.
- 1 2. The system as recited in claim 1, wherein the subsurface safety valve is opened by
2 the pressure of power fluid applied to the jet pump.
- 1 3. The system as recited in claim 1, further comprising a downhole receptacle
2 connected to the downhole completion and sized to receive the production control
3 unit.
- 1 4. The system as recited in claim 3, wherein the downhole receptacle comprises a
2 sliding sleeve.
- 1 5. The system as recited in claim 1, wherein the subsurface safety valve comprises a
2 flapper valve.
- 1 6. The system as recited in claim 1, wherein the production control unit comprises a
2 wellbore parameter sensor.
- 1 7. The system as recited in claim 6, wherein the wellbore parameter sensor is a
2 pressure gauge.

1

- 1 8. A method of controlling fluid flow in a wellbore, comprising:
2
3 delivering a jet pump and a safety valve to a wellbore location in a single
4 trip downhole; and
5
6 controlling the safety valve to enable selective flow of fluid upwardly
7 through the wellbore via the jet pump.
- 1 9. The method as recited in claim 8, wherein delivering comprises delivering the jet
2 pump and the safety valve via a slickline.
- 1 10. The method as recited in claim 8, wherein delivering comprises delivering the jet
2 pump and the safety valve via a wireline.
- 1 11. The method as recited in claim 8, wherein controlling comprises opening the
2 safety valve via pressure of power fluid applied to operate the jet pump.
- 1 12. The method as recited in claim 8, further comprising operating the jet pump by
2 pumping power fluid down through a well tubing, through the jet pump and up
3 through an annulus surrounding the well tubing.
- 1 13. The method as recited in claim 8, further comprising operating the jet pump by
2 pumping power fluid down through an annulus formed around a well tubing,
3 through the jet pump and up through the well tubing.
- 1 14. The method as recited in claim 8, further comprising locating a packer in the
2 wellbore, wherein delivering comprises delivering the safety valve to a position
3 proximate the packer.

- 1 15. The method as recited in claim 8, further comprising deploying a sliding sleeve at
2 the wellbore location to receive the safety valve
- 1 16. A method of utilizing a wellbore completion having a downhole receptacle above
2 a packer, comprising:
3
4 moving a production control unit, having a jet pump and a safety valve,
5 into engagement with the downhole receptacle.
- 1 17. The method as recited in claim 16, wherein moving comprises connecting the
2 production control unit to a sliding sleeve.
- 1 18. The method as recited in claim 16, wherein moving comprises deploying the
2 production control unit with a slickline.
- 1 19. The method as recited in claim 16, further comprising hydraulically coupling the
2 jet pump and the safety valve to enable opening of the safety valve via the
3 pressure of power fluid directed through the jet pump.
- 1 20. The method as recited in claim 16, wherein moving comprises locating the safety
2 valve above the packer.
- 1 21. The method as recited in claim 16, further comprising operating the jet pump to
2 produce a wellbore fluid.
- 1 22. The method as recited in claim 16, further comprising preventing all upward flow
2 of wellbore fluid in the wellbore when the jet pump is not operating.
- 1 23. The method as recited in claim 16, wherein moving comprises retrofitting the
2 wellbore completion with the production control unit.

- 1 24. The method as recited in claim 16, wherein moving comprises temporarily
2 installing the production control unit prior to installation of other artificial lift
3 equipment.
- 1 25. A system for controlling fluid flow in a wellbore, comprising:
2
3 means for utilizing a power fluid to produce a wellbore fluid;
4
5 means for selectively preventing all upward flow of fluid in the wellbore;
6 and
7
8 means for simultaneously delivering the means for utilizing and the means
9 for selectively preventing to a desired wellbore position.
- 1 26. The system as recited in claim 25 , wherein the means for utilizing comprises a jet
2 pump.
- 1 27. The system as recited in claim 25 , wherein the means for selectively preventing
2 comprises a flapper valve.
- 1 28. The system as recited in claim 25 , wherein the means for simultaneously
2 delivering comprises a slickline.